

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	271	((coupling or connector) with threaded) and (firearm or munition)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 07:35
L2	106568	((("102") or ("89") or ("86") or ("42") or ("149")).CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/24 07:35
L3	722	I2 and ((coupling or connector) with threaded)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 07:35
L4	2	I2 and ((coupling or connector) with threaded) near5 (munition or round or ammunition)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 07:36
L5	722	I2 and ((coupling or connector) with threaded)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 07:36
L6	0	("2007/0056460").URPN.	USPAT	OR	ON	2007/05/24 07:50
L7	0	((("US2313030") or ("US2099993") or ("US5502915") or ("US3815271")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/24 07:50
L8	6	((("2313030") or ("2099993") or ("5502915") or ("3815271")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/24 07:50
L9	22	("0694896"   "2313030"   "3169333"   "3451306").PN. OR ("3815271").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 07:51
L10	6	("694896").URPN.	USPAT	OR	ON	2007/05/24 07:52
L11	24	(US-20070056460-\$ or US-20040231219-\$ or US-20070028794-\$).did. or (US-4123975-\$ or US-4586439-\$ or US-4433606-\$ or US-6123007-\$ or US-3815271-\$ or US-3854231-\$ or US-4878432-\$ or US-7194943-\$ or US-4285153-\$ or US-6431076-\$ or US-2313030-\$ or US-5834684-\$ or US-6138395-\$ or US-6543174-\$ or US-6862996-\$ or US-6510643-\$ or US-6343553-\$ or US-0694896-\$). did. or (US-2099993-\$ or US-3412681-\$ or US-0694896-\$). did.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 07:53
L12	8	I11 and (threaded or glued or adhesive or screw or adhere)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 07:54
L13	11	("3412681").URPN.	USPAT	OR	ON	2007/05/24 08:01

## EAST Search History

L14	1	(multiple with projectile) near5 threaded	USPAT	OR	ON	2007/05/24 08:03
L15	311	I2 and ((thread or screw) with together) and (cartridge or round or bullet)	USPAT	OR	ON	2007/05/24 08:11
L16	4	((("2099993") or ("5936189") or ("4938146"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/24 08:11
L17	24	(US-20070056460-\$ or US-20040231219-\$ or US-20070028794-\$).did. or (US-4123975-\$ or US-4586439-\$ or US-4433606-\$ or US-6123007-\$ or US-3815271-\$ or US-3854231-\$ or US-4878432-\$ or US-7194943-\$ or US-4285153-\$ or US-6431076-\$ or US-2313030-\$ or US-5834684-\$ or US-6138395-\$ or US-6543174-\$ or US-6862996-\$ or US-6510643-\$ or US-6343553-\$ or US-0694896-\$). did. or (US-2099993-\$ or US-3412681-\$ or US-0694896-\$). did.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 09:09
S1	1190	((42/84) or (102/345,352,335,360, 438,217) or (86/20.1)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/24 07:33
S3	2	("2099993").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/15 11:07
S4	1	("3,854,231").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/15 11:07
S5	50	("0058064"   "0307070"   "0937396"   "1791606"   "2099993"   "2935913"   "3208181"   "3257905"   "3388633"   "3427924"   "3451300"   "3451307").PN. OR ("3854231").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/15 11:09
S6	1226	((102/338,345,352,360,335,438, 217) or (86/20.1) or (42/84)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/15 11:15
S7	880	((102/338,345,352,360,335,438, 217) or (86/20.1)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/15 11:17
S8	1	("20050268807").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/15 11:17

## EAST Search History

S9	22	(US-20020152918-\$ or US-20050268807-\$ or US-20060124020-\$).did. or (US-5623113-\$ or US-3686999-\$ or US-4791870-\$ or US-5429052-\$ or US-6138395-\$ or US-6223642-\$ or US-6431076-\$ or US-6510643-\$ or US-6659012-\$ or US-6701818-\$ or US-6715398-\$ or US-6722252-\$ or US-6860187-\$ or US-7140301-\$ or US-6123007-\$ or US-4878432-\$ or US-6862996-\$).did. or (US-2897757-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 09:58
S10	3	(US-3854231-\$ or US-4878432-\$).did. or (US-2099993-\$).did.	USPAT; USOCR	OR	ON	2007/05/15 11:32
S11	2	S9 and thread	USPAT; USOCR	OR	ON	2007/05/15 11:32
S12	7	("2099993").URPN.	USPAT	OR	ON	2007/05/15 11:33
S13	0	S12 and thread	USPAT	OR	ON	2007/05/15 11:33
S14	2	S12 and screw	USPAT	OR	ON	2007/05/15 11:33
S15	1190	((42/84) or (102/345,352,335,360, 438,217) or (86/20.1)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/16 09:47
S16	6	S15 and frangible with (connection or coupling)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 09:47
S17	3	(US-4878432-\$ or US-3854231-\$).did. or (US-2099993-\$).did.	USPAT; USOCR	OR	ON	2007/05/16 09:49
S18	2	S17 and (break or shatter or frange or coupling)	USPAT; USOCR	OR	ON	2007/05/16 09:49
S19	9	("3177808"   "3916794"   "4036140"   "4374495"   "4463678"   "4488489").PN. OR ("4878432").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 09:51
S20	65875	((("89") or ("45") or ("102"))).CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/17 08:01
S21	116	S20 and (frangible with (connection or coupling))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 09:51
S22	0	("2007/0056460").URPN.	USPAT	OR	ON	2007/05/16 09:52

## EAST Search History

S23	22	(US-20020152918-\$ or US-20050268807-\$ or US-20060124020-\$).did. or (US-5623113-\$ or US-3686999-\$ or US-4791870-\$ or US-5429052-\$ or US-6138395-\$ or US-6223642-\$ or US-6431076-\$ or US-6510643-\$ or US-6659012-\$ or US-6701818-\$ or US-6715398-\$ or US-6722252-\$ or US-6860187-\$ or US-7140301-\$ or US-6123007-\$ or US-4878432-\$ or US-6862996-\$).did. or (US-2897757-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 09:59
S24	11	S23 and (frangible or break or coupling or screw)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 09:59
S25	6	(US-20070056460-\$).did. or (US-4878432-\$ or US-3854231-\$ or US-4586439-\$ or US-6862996-\$).did. or (US-2099993-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 10:04
S26	1	S25 and adhesive	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 10:04
S27	53	("0146611"   "0694674"   "1376538"   "2099993"   "2297130"   "2313030"   "2377839"   "2426239"   "2897757"   "2950652"   "2967460"   "3527137"   "3618246"   "3712172"   "3745878"   "3808723"   "3862600"   "3913445"   "3952658"   "3978793"   "4193347"   "4572463"   "4674706"   "4686905"   "4733611"   "4770369"   "5053541"   "5227577"   "5295439"   "5329840"   "5337649"   "5608982"   "5648637"   "5883329"   "6070352"   "6123007"   "6138395"   "6223642"   "6679179"   "6727485").PN. OR ("6862996").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 10:05
S28	4	S27 and adhesive	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 10:06
S29	1	S25 and (adhesive or glue or resin or tape)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 10:08

## EAST Search History

S30	50	("0058064"   "0307070"   "0937396"   "1791606"   "2099993"   "2935913"   "3208181"   "3257905"   "3388633"   "3427924"   "3451300"   "3451307").PN. OR ("3854231").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 10:17
S31	21	("2099993"   "3427924"   "3815271"   "3854231").PN. OR ("4285153").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 10:22
S32	23	("3650174"   "4063368"   "4285153"   "4332098"   "4370914"   "4402251"   "4606256"   "4718187"   "4793085"   "5272828"   "5392688"   "5544439"   "5625972"   "5937558"   "5966859"   "6123007"   "6174288"   "6237462"   "6286241"   "6321478"   "6360469"   "6510643"   "6572375").PN. OR ("6871439").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 10:42
S33	61	S20 and ((frangible or breakable) near4 connection)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/16 10:43
S34	8	("3431852").URPN.	USPAT	OR	ON	2007/05/16 10:45
S35	89474	((("89") or ("42") or ("102"))).CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/17 08:01
S36	67	S35 and ((frangible or breakable) with (coupling or connector))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 08:27
S37	332	(102/494,495,496,497).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/17 08:29
S38	29	S37 and (frangible or breakable)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 08:30
S39	22	(US-20020152918-\$ or US-20050268807-\$ or US-20060124020-\$).did. or (US-5623113-\$ or US-3686999-\$ or US-4791870-\$ or US-5429052-\$ or US-6138395-\$ or US-6223642-\$ or US-6431076-\$ or US-6510643-\$ or US-6659012-\$ or US-6701818-\$ or US-6715398-\$ or US-6722252-\$ or US-6860187-\$ or US-7140301-\$ or US-6123007-\$ or US-4878432-\$ or US-6862996-\$).did. or (US-2897757-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 08:31

## EAST Search History

S40	11	(US-20070056460-\$).did. or (US-4878432-\$ or US-3854231-\$ or US-4586439-\$ or US-4285153-\$ or US-3815271-\$ or US-6862996-\$ or US-6510643-\$ or US-6138395-\$ or US-6123007-\$).did. or (US-2099993-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 08:33
S41	11	S40 and (propellant or charge or pyrotechnic)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 08:35
S42	1	S40 and adhesive	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 08:35
S43	53	("0146611"   "0694674"   "1376538"   "2099993"   "2297130"   "2313030"   "2377839"   "2426239"   "2897757"   "2950652"   "2967460"   "3527137"   "3618246"   "3712172"   "3745878"   "3808723"   "3862600"   "3913445"   "3952658"   "3978793"   "4193347"   "4572463"   "4674706"   "4686905"   "4733611"   "4770369"   "5053541"   "5227577"   "5295439"   "5329840"   "5337649"   "5608982"   "5648637"   "5883329"   "6070352"   "6123007"   "6138395"   "6223642"   "6679179"   "6727485").PN. OR ("6862996"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 08:36
S44	4	S43 and adhesive	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 08:36
S45	1	S40 and (glue or resin or adhesive or tape)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 08:36
S46	11	S39 and (frangible or break or coupling or screw)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 08:39
S47	8	S46 and (coupling or connector or connection or wire)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 08:38
S48	9	S40 and (frangible or break or coupling or screw)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 08:39

## EAST Search History

S49	11	(US-20070056460-\$).did. or (US-4878432-\$ or US-3854231-\$ or US-4586439-\$ or US-4285153-\$ or US-3815271-\$ or US-6862996-\$ or US-6510643-\$ or US-6138395-\$ or US-6123007-\$).did. or (US-2099993-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 08:40
S50	7	S49 and (coupling or wire or connction)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 09:24
S51	1	("6301819").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/17 09:26
S52	1	("6138395").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/17 09:30
S53	1	S52 and seal	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 09:37
S54	4	S37 and (adhesive with projectile)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 09:38
S55	1190	((42/84) or (102/345,352,335,360, 438,217) or (86/20.1)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/17 09:38
S56	8	S55 and (adhesive with projectile)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 09:39
S57	1226	((102/338,345,352,360,335,438, 217) or (86/20.1) or (42/84)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/17 09:39
S58	8	S57 and (adhesive with projectile)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 09:39
S59	30	S57 and (stacked with projectile)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 09:39
S60	13	("3412681"   "3815271"   "3854231"   "5883329"   "6123007"   "6223642").PN. OR ("6301819"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 09:47
S61	11	("3412681").URPN.	USPAT	OR	ON	2007/05/17 09:47
S62	23	("2313030"   "3169333"   "3854231"   "4709615"   "5133242").PN. OR ("5883329"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 09:48
S63	17	("2313030").URPN.	USPAT	OR	ON	2007/05/17 09:50

## EAST Search History

S64	22	("0694896"   "2313030"   "3169333"   "3451306").PN. OR ("3815271").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 09:52
S65	6	("694896").URPN.	USPAT	OR	ON	2007/05/17 09:53
S66	22	(US-20070056460-\$ or US-20070028794-\$ or US-20040231219-\$).did. or (US-4878432-\$ or US-3854231-\$ or US-4586439-\$ or US-4285153-\$ or US-3815271-\$ or US-6862996-\$ or US-6510643-\$ or US-6138395-\$ or US-6123007-\$ or US-7194943-\$ or US-6431076-\$ or US-6343553-\$ or US-5834684-\$ or US-4123975-\$ or US-6543174-\$ or US-2313030-\$ or US-4433606-\$).did. or (US-2099993-\$ or US-3412681-\$). did.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 09:53
S67	2	S66 and (adhesive or glue or cement or tape)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 09:54
S68	1364931	S39 and threaded or screw	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 10:20
S69	7	S39 and (threaded or screw)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 10:21
S70	1	(multiple with projectiles) near5 (threaded)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 10:22
S71	0	(stacked with projectiles) near5 (threaded)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 10:22
S72	428	(projectiles) near5. (threaded)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 10:22
S73	253	(projectiles) near3 (threaded)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/17 10:22